

For a Free Quote:

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**

EnergyPal

Solar Panel Guide Specification Data Sheet

**Mysolar USA
PLATI M144B PERC 425-445W
MS425M-DHBP**

Also available on the web at
[EnergyPal.com/mysolar-usa-solar-panels/ms425m-dhbp](https://www.energypal.com/mysolar-usa-solar-panels/ms425m-dhbp)

Mysolar

PLATI BIFACIAL M144B

PERC HALF CELL
MONO MODULE

425-445W Framed

POSITIVE TOLERANCE 0~+6W
HALF CELL PERC MONO 144

New Energy, Smart Living

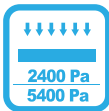


WHY MYSOLAR?



MBB Solar Cells

Mysolar panels have multi-busbars that can reduce current heat loss of the cells and increase the current collection ability.



Strong and Safe

Mysolar panels are certified to withstand 2400 Pa negative load of wind and 5400 Pa positive load of snow.



1500V System Voltage

Mysolar panels are of 1500V system voltage design compatible to 1000V/1500V and reduces BoS cost greatly.



PID-Resistant

Mysolar panels are PID-resistant which were tested to the industry's most rigorous durability standards in accordance to IEC 62804.



Better Low Light Output

Mysolar uses the best solar glass, cells, and assembling technology to guarantee good performance in cloudy days or low light conditions.



Salt-resistant & Ammonia-Resistant

Mysolar solar panels are salt mist and ammonia resistance certified.



Positive Tolerance

Mysolar guarantees that all solar modules manufactured by Mysolar have 0~6W positive tolerance.



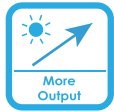
Confident Warranty

Mysolar offers 12 years limited product warranty and 30 years performance warranty for Bifacial solar modules.



Dual Side Power Producing

Mysolar bifacial panels have up to 70% bifaciality, generates up to 25.2% more energy yield than conventional panels.



Higher Output

With multi-busbar (5BB) cells, and 1500V system voltage, super solar glass, Mysolar panels have higher output than its competitors'.



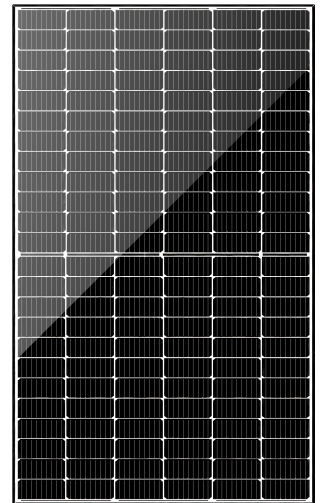
High Reliability

Mysolar has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of Mysolar panels were tested & minimumly twice EL tests guaranteed.



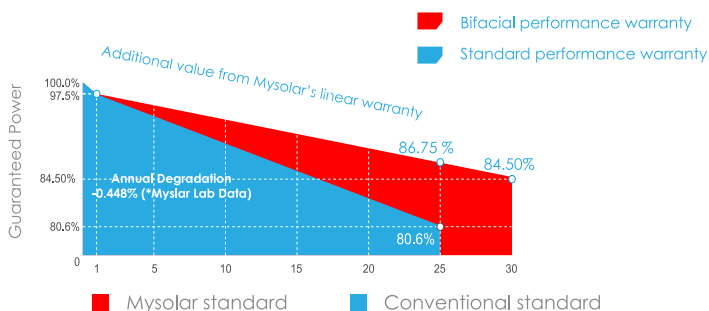
More Options for Solar Projects

More possible purposes like vertical installations, BIPV's, areas of high humidity, strong wind/snow, and deserts.



LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 30 Year Linear Power Warranty



- ISO9001:2015 Quality management systems
- ISO14001: 2015 Quality management systems
- OHSAS18001: 2018 Occupational health and safety management systems
- IEC61215, IEC61730, UL1703 certified product



SPECIFICATIONS (STC*)

Module Type	MS425M-DHBP	MS430M-DHBP	MS435M-DHBP	MS440M-DHBP	MS445M-DHBP
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	425Wp	430Wp	435Wp	440Wp	445Wp
Maximum Power Voltage (Vmp)	40.02V	40.23V	40.43V	40.63V	40.83V
Maximum Power Current (Imp)	10.62A	10.69A	10.76A	10.83A	10.90A
Open-circuit Voltage (Voc)	48.32V	48.52V	48.72V	48.95V	49.13V
Short-circuit Current (Isc)	11.11A	11.17A	11.23A	11.29A	11.35A
Module Efficiency STC (%)	19.20%	19.40%	19.60%	19.80%	20.00%
Operating Temperature (°C)	-40°C~+85°C				
Maximum System Voltage	1500VDC (IEC)				
Maximum Series Fuse Rating	20A				
Power Tolerance	0~+6W				
Temperature Coefficients of Pmax	-0.38%/°C				
Temperature Coefficients of Voc	-0.31%/°C				
Temperature Coefficients of Isc	0.048%/°C				
Nominal Module Operating Temperature (NMOT)	42±2°C				

REAR SIDE POWER GAIN (BIFACIAL OUTPUT, FOR 435W)

Power Gain (Percentage)	10%	15%	20%	25%	30%
Maximum Power (Pmax)	465Wp	480Wp	500Wp	515Wp	535Wp
Maximum Power Voltage (Vmp)	43.42V	43.42V	43.43V	43.43V	43.43V
Maximum Power Current (Imp)	10.71A	11.17A	11.52A	11.86A	12.32A
Open-circuit Voltage (Voc)	50.04V	50.04V	50.05V	50.05V	50.05V
Short-circuit Current (Isc)	11.42A	11.90A	12.25A	12.61A	13.09A

NMOT* (Nominal Module Operating Temperature):
Irradiance 800W/sqm, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

*Power measurement tolerance: -/+3%

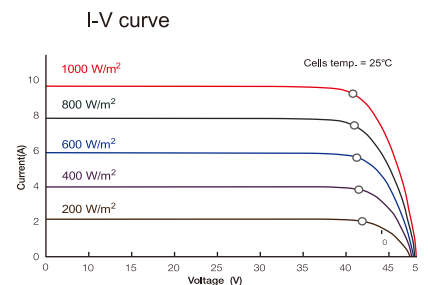
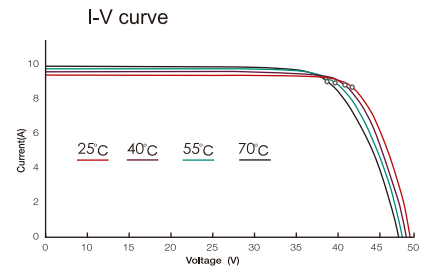
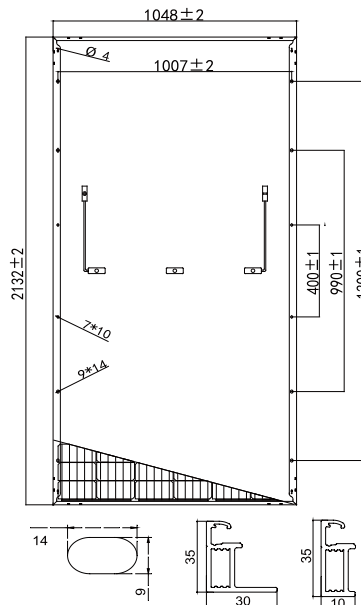
Mechanical Characteristics

Cell Type	Mono PERC 166×83mm
No. of cells	144 (6×12+6×12)
Dimensions	2132×1048×35mm
Weight	29.50KG
Glass	2.0mm Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP68 Rated, 3 diodes
Cable & Connector	4mm ² cable 300mm MC4 Compatible

Packaging Info

(Two pallets = One stack)

30pcs/pallet, 600pcs/40'HQ Container



Mysolar reserves the right to make necessary adjustment to the information described herein at any time without further notice due to continuous innovation and product improvement. Please be kindly noted installation of Mysolar solar modules shall be done by professional skilled people. Please read the installation manual carefully before using Mysolar solar panels.

Mysolar is a **Mamibot** company and brand, **Mysolar** and **Mamibot** are trademarks of Mamibot Manufacturing USA Inc.

Mamibot Manufacturing USA Inc.

www.mamibot.com Tel: 001 302 428 9888 sales@mamibot.com Head Office: Orange St. #600, Wilmington, New Castle, 19899, Delaware, USA

Mysolar Manufacturing (Shanghai) Co., Ltd.

www.imysolar.com www.mamibot.com/mysolar Tel: 0086 21 62147369 North Part, 21ST Fl, No.1, LN1040, Caoyang Rd, Putuo Dist, Shanghai, P.R.C.